

Appl. No. 10/696,754

Response Dated December 12, 2005

Reply to Office Action of September 15, 2005

----- EXHIBIT B -----

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**domiphen bromide.** (dodecyl dimethyl[2-phen-  
oxyethyl]-ammonium bromide).

$C_{12}H_{25}OC_2H_4N(C_{12}H_{25})(CH_3)_2Br$ . A quaternary am-  
monium salt.

**Properties:** Crystals. Mp 112C. Soluble in water  
and organic solvents.

**Use:** Medicine (antiinfective).

**Donnan hydrolysis.** When a neutral salt in water  
exchanges its cation for hydrogen ions from the wa-  
ter to make the latter alkaline.

**donor.** An atom that furnishes a pair of electrons  
to form a covalent bond or linkage with another  
atom, called the acceptor.

See bond, chemical; Lewis electron theory.

**DOP.** Abbreviation for dioctyl phthalate.  
See di(2-ethylhexyl) phthalate.

**L-dopa.** See L-dihydroxyphenylalanine.

**dope.** (1) Sizing formulation consisting of solu-  
tions of nitrocellulose, cellulose acetate, or other  
cellulose derivations applied to crepe yarn to set the  
twist and assist creping, and to leather to form a  
high-gloss finish. (2) A combustible, such as wood  
pulp, starch; sulfur, etc., used in "straight" dynam-  
ites. (3) A trace impurity introduced into ultra-  
pure crystals to obtain desired physical properties,  
especially electrical properties. Examples: erbium  
oxide doped with thulium for use as laser crystals;  
germanium or silicon doped with boron or arsenic  
for use as semiconductors.

**Doppler effect.** A shift toward longer (shorter)  
wavelengths for waves reaching an observer when  
the source of the waves is moving away from (to-  
ward) the observer.

**dormant oil.** (refined mineral oil).

**Properties:** Viscosity 90-150 s (Saybolt 100F). Un-  
soluble residue of 50-70%.

**Use:** As insecticide.

**dormant spray.** Agricultural insecticidal spray  
applied during winter or early spring when plant is  
dormant.

**dosimetry, radiation.** Measurement of the  
amount of radiation delivered to the body of an in-  
dividual. The permissible dose is the quantity of  
radiation that may be received by an individual over  
a given period with no detectable harmful effects.  
For X- or  $\gamma$ -ray exposure the permissible dose is 0.3  
roentgen/week, measured in air. All workers with  
radioactive materials are expected to wear some de-  
vice for detecting incident radiation. A dosimeter  
based on fiber optics has been developed for pos-  
sible application in radiation therapy.

See rad; rem.

**DOT.** Abbreviation for Department of Transpor-  
tation, the agency responsible for the shipping reg-  
ulations for hazardous products in the U.S.

**DOTG.** Abbreviation for di-*o*-tolylguanidine.

**dotriacontane.** (dicetyl).  $CH_3(CH_2)_{30}CH_3$   
**Properties:** Crystals. D 0.823, bp 310C, mp 70C.  
**Use:** Research.

**DOTT.** Abbreviation for di-*o*-tolylthiourea.

**double bond.** See unsaturation.

**double decomposition.** (double displacement,  
double replacement, metathesis). Reaction of two  
compounds to form two new compounds.

**double displacement.** See double decomposi-  
tion.

**double layer, electric.** See electric double layer.

**double replacement.** See double decomposi-  
tion.

**double salt.** A hydrated compound resulting from  
crystallization of a mixture of ions in aqueous so-  
lution. Common examples are the alums; made by  
crystallizing from solution either potassium or am-  
monium sulfate and aluminum sulfate; Rochelle  
salt (potassium sodium tartrate), made from a water  
solution of potassium acid tartrate treated with so-  
dium carbonate; and Mohr's salt (ferrous ammo-  
nium sulfate), crystallized from mixed solutions of  
ferrous sulfate and ammonium sulfate.  
See nickel ammonium sulfate.

**"Doverphos" [Ashland].**

TM for tris(nonylphenyl)phosphite.

CAS: 58968-53-9.

**Available forms:** Liquid.

**Use:** In rubber, vinyl stabilizers, and various poly-  
mers as an antioxidant.

**"Dowanol" [Dow].** TM for a series of glycol  
monoethers.

**Use:** Solvents, intermediates for plasticizers, bacte-  
ricidal agents, and fixatives for soap and perfumes.

**"Dowclene" [Dow].** TM for a series of solvents  
for specialized cleaning. A stabilized emulsion of  
caustic soda, a detergent, and a sequestering agent.  
EC: A colorless liquid, fp -56.6, bp 77-122C, d  
1.381. WR: Inhibited 1,1,1-trichloroethane.

**"Dow Corning" [Dow Corning].** TM for a  
wide range of silicone and polysiloxane products  
including emulsions, lubricants, greases, mold-

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